

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An astragal assembly for attachment to a passive door having an interior surface, an exterior surface opposite to the interior surface, and an outer edge extending from the exterior surface to the interior surface, comprising:

a frame having an exterior portion, an interior portion spaced from and opposed to the exterior portion, and a side portion extending between the exterior portion and the interior portion disposed opposite the outer edge of the passive door when the astragal assembly is affixed thereto, a gasket interconnected between said exterior portion and said side portion, an interior flange extending away from where said interior portion meets said side portion to engage the interior surface of the passive door when the astragal assembly is affixed thereto, and an exterior flange opposite said interior flange and extending away from where said exterior portion is connected to said gasket to engage the exterior surface of the passive door when the astragal assembly is affixed thereto, and a spacer having a distal end, the spacer protruding outwardly from a major surface of the side portion in a direction that is substantially parallel to the interior flange and substantially perpendicular to said major surface for preventing the outer edge of the passive door from contacting the major surface of the side portion of the frame and for allowing air flow between the outer edge of the passive door and the side portion of the frame when the astragal assembly is affixed thereto, wherein an elongated open channel is defined in the frame with sides formed by the exterior portion and the interior portion and a base formed by the side portion, the elongated open channel having an opening extending between the exterior portion and the interior portion and opposed to the side portion; and

a wooden insert retained within the elongated open channel in the frame.

2. (Original) The astragal assembly of claim 1, wherein the wooden insert extends substantially the entire length of the elongated open channel.

3. (Original) The astragal assembly of claim 1, wherein the wooden insert is a solid piece of wood.

4. (Original) The astragal assembly of claim 1, wherein the wooden insert comprises multiple pieces of wooden strips secured within the elongated open channel.

5. (Original) The astragal assembly of claim 1, wherein the wooden insert is elongated and symmetrical about a longitudinal axis.

6. (Previously Presented) The astragal assembly of claim 1, wherein the frame comprises at least one extruded aluminum rail.

7. (Previously Presented) The astragal assembly of claim 1, wherein the frame comprises at least one metallic rail.

8. (Original) The astragal assembly of claim 1, further comprising hardware attached to the wooden insert.

9. (Original) The astragal assembly of claim 8, wherein the hardware includes a strike plate.

10. (Original) The astragal assembly of claim 8, wherein the hardware directly contacts the wooden insert.

11. (Previously Presented) The astragal assembly of claim 1, wherein said interior flange extends past the side portion for overlapping the interior surface of the passive door.

12. (Original) The astragal assembly of claim 1, wherein the exterior portion includes a stop that extends from one side thereof.

13. (Previously Presented) The astragal assembly of claim 12, further comprising a second gasket secured to the stop.

14. (Previously Presented) The astragal assembly of claim 1, wherein said exterior flange extends past the side portion for overlapping the exterior surface of the passive door.

15. (Previously Presented) The astragal assembly of claim 1, wherein the exterior flange and the interior flange extend past the side portion to define a door edge receiving opening.

16. (Original) The astragal assembly of claim 1, wherein the exterior portion includes a hollow elongate tubular section, wherein the channel is formed between the interior portion and the hollow elongate tubular section.

17. (Currently Amended) The astragal assembly of claim 1, wherein the ~~gasket comprises~~~~side portion includes~~ a thermal break.

18. (Original) The astragal assembly of claim 1, wherein the side portion includes preformed openings to receive fasteners for connecting the astragal to the passive door.

19. (Original) The astragal assembly of claim 1, wherein the exterior portion and the interior portion each have a hook that extends into the channel and retains the wooden insert.

20. (Original) The astragal assembly of claim 1, wherein the wooden insert includes a first piece having a width substantially equal to a distance between the exterior portion and the interior portion and a second piece abutting the side portion.

21. (Original) The astragal assembly of claim 20, wherein the second piece has a width less than the width of the first piece.

22. (Withdrawn) The astragal assembly of claim 1, in combination with a double door system including the active door and the passive door, wherein the side portion of the astragal assembly is fastened to the passive door.

23. (Withdrawn) A door assembly, comprising:

a passive door having an interior surface, an exterior surface opposite to the interior surface, and an outer edge extending from the exterior surface to the interior surface;

an active door having an outer edge, wherein the active door is mounted for movement between an open position and a closed position in which the outer edge is aligned with the outer edge of the passive door;

an astragal coupled to the outer edge of the passive door, wherein the astragal includes a frame having an exterior portion, an interior portion spaced from and opposed to the exterior portion, and a side portion extending between the exterior portion and the interior portion disposed opposite the outer edge of the passive door, a gasket interconnected between said exterior portion and said side portion, an interior flange extending away from where said interior portion meets said side portion to engage the interior surface of the passive door, and an exterior flange opposite said interior flange and extending away from where said exterior portion is connected to said gasket to engage the exterior surface of the passive door, and a spacer having a distal end protruding outwardly from a major surface of the side portion in a direction that is substantially parallel to the interior flange and substantially perpendicular to said major surface for preventing the outer edge of the passive door from contacting the major surface of the side portion of the frame and for allowing air flow between the outer edge of the passive door and the side portion of the frame, wherein an elongated open channel is defined in the frame with sides formed by the exterior portion and the interior portion and a base formed by the side portion, the elongated open channel having an opening

extending between the exterior portion and the interior portion and opposed to the side portion and a wooden insert retained within the elongated open channel in the frame that faces the active door in the closed position.

24. (Withdrawn) The door assembly of claim 23, wherein the outer edge of the passive door is clamped between the interior flange and the exterior flange.

25. (Withdrawn) The door assembly of claim 23, wherein the exterior portion includes a hollow section.

26. (Withdrawn) The door assembly of claim 23, wherein the side portion includes a thermal break.

27. (Withdrawn) The door assembly of claim 23, further comprising door hardware coupled to the wooden insert.

28. (Withdrawn) The door assembly of claim 27, wherein the hardware includes a strike plate.

29. (Withdrawn) The door assembly of claim 23, wherein the wooden insert has a U-shaped cross section.

30. (Withdrawn) The door assembly of claim 23, further comprising a fastener extending through the wooden insert and the side portion into the outer edge of the passive door.

31. (Withdrawn) The door assembly of claim 23, further comprising a second gasket coupled to the exterior portion of the astragal that abuts the active door in the closed position.

32. (Currently Amended) An astragal comprising:

a frame including an exterior portion, an exterior flange extending from a first side of said exterior portion, and a stop extending from a second side of said exterior portion opposite to the first side, an interior portion spaced from and opposed to the exterior portion, an interior flange extending from said interior portion opposite from and substantially parallel to said exterior flange, and a side portion extending between where the exterior portion meets said exterior flange and where the interior portion meets said interior flange, a gasket interconnected between said side portion and said exterior portion, a fastening formation disposed on a major surface of the side portion, and a spacer having a distal end, the spacer protruding from the major surface of the side portion in a direction that is substantially perpendicular to the major surface and substantially parallel to said interior flange; and

an insert member retained substantially within a channel in the frame formed by the exterior portion, the interior portion and the side portion, wherein the insert member presents an outer surface for attachment to hardware, and the spacer extends away from the channel.

33. (Previously Presented) The astragal of claim 32, wherein the exterior portion includes a hollow section and a hook extending into the channel that retains the insert member.

34. (Previously Presented) The astragal of claim 32, wherein the interior portion includes a thin wall with a hook extending into the channel that retains the insert member.

35. (Original) The astragal of claim 32, wherein the side portion includes a thermal break.

36. (Previously Presented) The astragal of claim 32, wherein the insert member is wooden.

37. (Previously Presented) The astragal of claim 32, further comprising a strike plate secured to the insert member.

38. (Currently Amended) The astragal of claim 32, wherein the frame has a generally U-shaped cross section, with the side portion including a fastening formation ~~that attaches~~ for attaching to a door edge such that the U-shaped cross section faces outward from the door edge when the astragal assembly is affixed to the door.

39. (Previously Presented) The astragal assembly of claim 1, wherein the side portion is arranged substantially parallel to the outer edge of the passive door when the astragal assembly is affixed thereto, and the exterior portion and interior portion extend away from the outer edge of the passive door when the astragal assembly is affixed thereto.

40. (Currently Amended) An astragal assembly for attachment to a passive door having an interior surface, an exterior surface opposite to the interior surface, and an outer edge extending between the exterior surface and the interior surface, the assembly comprising:

a metallic frame fixable to the exterior surface and the interior surface of the passive door, the metallic frame having an exterior portion adjacent to the exterior surface of the passive door when the astragal assembly is affixed thereto, an interior portion adjacent to the interior surface of the passive door when the astragal assembly is affixed thereto, a side portion extending between the exterior portion and the interior portion of the metallic frame and opposite to the outer edge of the passive door when the astragal assembly is affixed to the passive door, a gasket interconnected between the exterior portion and the side portion, an interior flange extending from where said interior portion meets said side portion to engage the interior surface of the passive door when the

astragal assembly is affixed to the passive door, and an exterior flange extending from where said exterior portion is connected to said gasket to engage the exterior surface of the passive door when the astragal assembly is affixed to the passive door, the interior and exterior flanges spaced apart for accommodating ~~an~~the outer edge of the passive door therebetween, the interior portion, the exterior portion, and the side portion forming an opening in the metallic frame which faces away from the outer edge of the passive door when the astragal assembly is affixed thereto;

a wooden insert disposed in the metallic frame between the interior portion, the exterior portion, and the side portion thereof; and

at least one elongated spacer extending directly from said side portion and having a distal end that engages said wooden insert, said at least one spacer maintaining said wooden insert in position within said opening.

41. (Currently Amended) The astragal assembly of claim 40, wherein the metallic frame further comprises an outer spacer having a distal end, the spacer extending from the side portion in a direction that is substantially perpendicular to the side portion and substantially parallel to the interior flange for preventing the outer ~~end~~edge of the passive door from contacting the side portion of the frame and for allowing air to flow between the side portion and the outer edge of the passive door when the astragal assembly is affixed thereto.

42. (Currently Amended) An astragal assembly usable with an active door and a passive door having an exterior surface, an interior surface opposite to the exterior surface, and an outer end disposed between the exterior surface and the interior surface, the assembly comprising:

a frame including an interior portion, an exterior portion spaced apart from and opposed to the interior portion, a side portion extending between the interior portion and the exterior portion opposite to the outer end of the passive door when the astragal assembly is attached thereto, a gasket interconnected between the exterior portion and the side portion, an interior flange extending from where the interior portion meets the side

portion to engage the interior surface of the passive door when the astragal assembly is attached thereto, an exterior flange extending from where the exterior portion meets the gasket to engage the exterior surface of the passive door when the astragal assembly is attached thereto, a channel formed by the exterior portion, the interior portion, and the side portion of the frame, and a door stop extending from the exterior portion of the frame on the opposite side from where the exterior flange is located, said door stop for engaging the active door when the astragal assembly is attached to the passive door;

at least one spacer having a distal end, the spacer protruding from a major surface of the side portion in a direction that is substantially perpendicular to the major surface and substantially parallel to said interior flange, said at least one spacer for preventing the outer end of the passive door from contacting the major surface of said side portion when the astragal assembly is attached thereto; and

an insert member disposed in the channel and having a surface exposed to the active door when the astragal assembly is attached to the passive door.

43. (Previously Presented) The astragal assembly of claim 42, wherein the interior portion and the exterior portion extend away from the outer end of the passive door when the astragal assembly is affixed thereto, and said side portion is disposed opposite the outer end of the passive door when said interior and exterior flanges of the frame are disposed on the interior and exterior surfaces of the passive door, respectively.

Claim 44 (Cancelled).

45. (Previously Presented) The astragal assembly of claim 42, wherein the insert member is wooden and the frame is metallic.

46. (Previously Presented) The astragal assembly of claim 40, further comprising:

a hardware component disposed in the wooden insert at the opening in the metallic frame.

47. (Previously Presented) The astragal assembly of claim 1, wherein the spacer is an elongated member.

48. (Previously Presented) The astragal assembly of claim 40, wherein the interior flange and the exterior flange extend substantially perpendicular to a major surface of the side portion.